


utt
université de technologie
Troyes

Gendarmerie
nationale
Une force humaine

2CENTRE Cybercrime center of excellence network for Training, research and education

The French component
Presented at the Open meeting,
Brussels, May 7th, 2009



Université de Technologie de Troyes (UTT) in numbers

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- ▶ 2500 students
 - one of the 10 largest engineering schools in France
 - 600 graduates at the M2 level every year, incl. 500 engineers
 - Including 60 gendarmes (10 in masters degrees)
- ▶ One research institute, affiliated with CNRS
 - 100 faculty active in research, all ranked A
 - 140 PhD students under
« Science and Technology for Risk management »
 - Soon a new lab « Institut de Sécurité Globale »
- ▶ 3 M€ contracts /year
 - including 1 M€ with companies

INSTITUT
CARNOT
TIE

cnrs
CENTRE NATIONAL DE LA RECHERCHE
SCIENTIFIQUE

ANR
AGENCE NATIONALE DE LA RECHERCHE

GIS
3 S G S

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Réunion 2

The French situation : a large-country complexity



- ▶ **2 law enforcement agencies**
 - Gendarmerie : a 4-year relationship with UTT (training programs)
 - Police : was present at a meeting at UTT
 - Some common needs (first responder training; continuous training; forensics and investigation tools)
 - Different training strategies
- ▶ **Many industries incl. 3 mobile operators**
 - Training needs (hotliners, abuse teams...)
- ▶ **Many universities, research & engineering institutes, and industry are interested in 2centre**
 - Two meetings in March and April
- ▶ **Project partners for the ISEC project: UTT, Gendarmerie, Police (to be confirmed), Industry (to be confirmed)**
 - For the duration of project, work with other stakeholders will be structured within a separate non-for-profit association, and on specific projects
 - Some of the cost of the collective work might be covered by ISEC project
 - Final Centre of Excellence configuration is an objective of the project

Réunion 2centre.fr du 28/4/2008 (synthèse)

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What the French Centre of Excellence aims to do (1) : Promote cooperation and learning



- Promote cooperation within the French cybercrime-fighting community (LE, academia, NGOs, industry) « pilot activities »**
- ▶ **Benchmark and study best practices of (unrelated) Centers of Excellence and networks, and cybercrime centers worldwide**
 - ▶ **Create and manage a non-profit collective organization « association loi 1901 »**
 - ▶ **Develop and operate the platform for exchanges (web site, meetings, students)**
 - ▶ **Analyse needs and define specific projects, find additional funding**
 - ▶ **Help improve training throughout community**
 - ▶ **Liaise with Irish partners**
- Final output**
- ▶ **Define what a large-country Centre of Excellence could/should be**
 - ▶ **Help candidate partners to qualify as component of the French Centre of Excellence**

Réunion 2centre.fr du 28/4/2008 (synthèse)

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What the French Centre of Excellence aims to do (2) : projects with ROE within 2 years



Une force Humaine

Launch projects and reach tangible & valuable output for LE and industry beneficiaries

- In cooperation with appropriate partners, on a project-by-project basis
- ▶ **Current ideas to be confirmed :**
- ▶ **Develop and validate forensics and/or investigation tools**
 - 1 Hardware project and 1 Software project
- ▶ **Develop and deliver**
 - « first responder » module for LE
 - « cybercrime response for hotliners » module for industry
- ▶ **Identify and qualify trainers, modules, projects**
- ▶ **Update and translate content already available**
- ▶ **Upgrade current training programs available to gendarmes**
 - undergraduate degree > work towards national accreditation
 - Enrich UTT's current master's degree program

Ensure dissemination of work to the national and international community (training and research)

- ▶ **with appropriate address of intellectual property.**

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